

# WEST

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## Search Results -

Terms	Documents
acc adj synthase and (mango or pineapple or papaya)and antisense and @pd<=19980320	8

☐ US Patents Full-Text Database

☐ US Pre-Grant Publication Full-Text Database

☐ JPO Abstracts Database

☐ EPO Abstracts Database

☐ Derwent World Patents Index

**Database:** ☐ IBM Technical Disclosure Bulletins

**Search:**

L5




## Search History

**DATE:** Thursday, March 14, 2002    [Printable Copy](#)    [Create Case](#)

### Set Name Query

side by side

### Hit Count Set Name

result set

DB=USPT; PLUR=YES; OP=OR

<u>L5</u>	acc adj synthase and (mango or pineapple or papaya)and antisense and @pd<=19980320
<u>L4</u>	L3 and @pd<=19980320
<u>L3</u>	L1 and antisense
<u>L2</u>	L1 and @pd<=19970320
<u>L1</u>	acc adj synthase and (mango or pineapple or papaya)

8	<u>L5</u>
8	<u>L4</u>
29	<u>L3</u>
6	<u>L2</u>
32	<u>L1</u>

END OF SEARCH HISTORY

**WEST**[Generate Collection](#)[Print](#)**Search Results - Record(s) 1 through 8 of 8 returned.****1. Document ID: US 5723766 A**

L5: Entry 1 of 8

File: USPT

Mar 3, 1998

US-PAT-NO: 5723766

DOCUMENT-IDENTIFIER: US 5723766 A

TITLE: Control of fruit ripening through genetic control of ACC synthase synthesis

DATE-ISSUED: March 3, 1998

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Theologis; Athanasios	Los Altos Hills	CA		
Sato; Takahido	Tokyo			JPX

US-CL-CURRENT: 800/283; 435/320.1, 435/411, 435/419, 800/286, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

**2. Document ID: US 5702933 A**

L5: Entry 2 of 8

File: USPT

Dec 30, 1997

US-PAT-NO: 5702933

DOCUMENT-IDENTIFIER: US 5702933 A

TITLE: Control of fruit ripening and senescence in plants

DATE-ISSUED: December 30, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klee; Harry John	Ballwin	MO		
Kishore; Ganesh Murthy	Chesterfield	MO		

US-CL-CURRENT: 800/283; 435/227, 435/320.1, 435/375, 435/69.1, 435/70.1, 536/23.2, 536/23.7, 800/298, 800/305, 800/306, 800/309, 800/314, 800/315, 800/323, 800/323.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC
Draw Desc	Image										

**3. Document ID: US 5689055 A**

L5: Entry 3 of 8

File: USPT

Nov 18, 1997

US-PAT-NO: 5689055

DOCUMENT-IDENTIFIER: US 5689055 A

TITLE: Plants having modified response to ethylene

DATE-ISSUED: November 18, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Meyerowitz; Elliott M.	Pasadena	CA		
Chang; Caren	Pasadena	CA		
Bleecker; Anthony B.	Madison	WI		

US-CL-CURRENT: 800/283; 536/23.6, 800/287, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC
Draw Desc	Image										

## └ 4. Document ID: US 5633440 A

L5: Entry 4 of 8

File: USPT

May 27, 1997

US-PAT-NO: 5633440

DOCUMENT-IDENTIFIER: US 5633440 A

TITLE: P119 promoters and their uses

DATE-ISSUED: May 27, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Dunsmuir; Pamela	Piedmont	CA		
Stott; Jamie S.	Oakland	CA		

US-CL-CURRENT: 800/287; 435/320.1, 435/423, 435/69.1, 536/23.6, 536/24.1, 800/317, 800/317.3, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KWIC
Draw Desc	Image									

## └ 5. Document ID: US 5608144 A

L5: Entry 5 of 8

File: USPT

Mar 4, 1997

US-PAT-NO: 5608144

DOCUMENT-IDENTIFIER: US 5608144 A

TITLE: Plant group 2 promoters and uses thereof

DATE-ISSUED: March 4, 1997

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Baden; Catherine S.	Martinez	CA		
Dunsmuir; Pamela	Piedmont	CA		
Lee; Kathleen Y.	Oakland	CA		

US-CL-CURRENT: 800/287; 435/320.1, 435/69.1, 536/23.1, 536/24.1, 800/300, 800/317, 800/317.1, 800/317.3, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

## └ 6. Document ID: US 5530190 A

L5: Entry 6 of 8

File: USPT

Jun 25, 1996

US-PAT-NO: 5530190

DOCUMENT-IDENTIFIER: US 5530190 A

TITLE: DNA constructs containing the gene for ACC Oxidase, cells and plants derived therefrom

DATE-ISSUED: June 25, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grierson; Donald	Loughbrough			GB2
Hamilton; Andrew J.	Nottingham			GB2
Lycett; Grantley W.	Loughbrough			GB2

US-CL-CURRENT: 800/283; 435/320.1, 435/411, 435/419, 800/298, 800/305, 800/306, 800/309, 800/315, 800/317.4, 800/323, 800/323.2, 800/323.3

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	KMC
Draw Desc	Image									

## └ 7. Document ID: US 5512466 A

L5: Entry 7 of 8

File: USPT

Apr 30, 1996

US-PAT-NO: 5512466

DOCUMENT-IDENTIFIER: US 5512466 A

TITLE: Control of fruit ripening and senescence in plants

DATE-ISSUED: April 30, 1996

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Klee; Harry J.	Ballwin	MO		
Kishore; Ganesh M.	Chesterfield	MO		

US-CL-CURRENT: 800/283; 435/320.1, 435/69.1, 435/70.1, 536/23.2, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

## 8. Document ID: US 5365015 A

L5: Entry 8 of 8

File: USPT

Nov 15, 1994

US-PAT-NO: 5365015

DOCUMENT-IDENTIFIER: US 5365015 A

TITLE: Antisense constructs derived from pTOM13 plants and plant cells with reduced ethylene evolution

DATE-ISSUED: November 15, 1994

## INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Grierson; Donald	Loughbrough			GB2
Hamilton; Andrew J.	Nottingham			GB2
Lycett; Grantley W.	Loughbrough			GB2

US-CL-CURRENT: 800/283; 435/320.1, 435/411, 800/317.4

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments
Draw Desc	Image								

KWC

Generate Collection

Print

Terms	Documents
acc adj synthase and (mango or pineapple or papaya)and antisense and @pd<=19980320	8

Display Format: CIT

Change Format

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=> s acc(w)synthase
    19 FILES SEARCHED...
L1      3509 ACC(W) SYNTHASE

=> s l1 and pineapple or mango or papaya
    21 FILES SEARCHED...
L2      46675 L1 AND PINEAPPLE OR MANGO OR PAPAYA

=> s l1 and (pineapple or mango or papaya)
    23 FILES SEARCHED...
L3      123 L1 AND (PINEAPPLE OR MANGO OR PAPAYA)

=> s l3 and antisense
L4      45 L3 AND ANTISENSE

=> d l4 1-45 au ti

L4  ANSWER 1 OF 45  CABA COPYRIGHT 2002 CABI
AU  Botella, J. R.; Cavallaro, A. S.; Cazzonelli, C. I.; Subhadrabandhu, S.
    [EDITOR]; Chairidchai, P. [EDITOR]
TI  Towards the production of transgenic pineapple to control
    flowering and ripening.

L4  ANSWER 2 OF 45  CABA COPYRIGHT 2002 CABI
AU  Cruz-Hernandez, A.; Gomez-Lim, M.; Litz, R. E.; Lavi, U. [EDITOR]; Degani,
    C. [EDITOR]; Gazit, S. [EDITOR]; Lahav, E. [EDITOR]; Pesis, E. [EDITOR];
    Prusky, D. [EDITOR]; Tomer, E. [EDITOR]; Wysoki, M. [EDITOR]
TI  Transformation of mango somatic embryos.

L4  ANSWER 3 OF 45  CABA COPYRIGHT 2002 CABI
AU  Neupane, K. R.; Mukatira, U. T.; Kato, C.; Stiles, J. I.; Drew, R. A.
    [EDITOR]
TI  Cloning and characterization of fruit-expressed ACC
    synthase and ACC oxidase from papaya (Carica
    papaya L.).

L4  ANSWER 4 OF 45  CABA COPYRIGHT 2002 CABI
AU  Manshardt, R. M.; Drew, R. A.; Drew, R. A. [EDITOR]
TI  Biotechnology of papaya.

L4  ANSWER 5 OF 45  CAPLUS COPYRIGHT 2002 ACS
AU  Botella, Jose R.; Cavallaro, Antonino S.; Cazzonelli, Christopher I.
TI  Towards the production of transgenic pineapple to control
    flowering and ripening

L4  ANSWER 6 OF 45  CAPLUS COPYRIGHT 2002 ACS
AU  Neupane, K. R.; Mukatira, U. T.; Kato, C.; Stiles, J. I.
TI  Cloning and characterization of fruit-expressed ACC
    synthase and ACC oxidase from papaya (Carica
    papaya L.)

L4  ANSWER 7 OF 45  CAPLUS COPYRIGHT 2002 ACS
IN  Stiles, John I.; Neupane, Kabi Raj
TI  Nucleic acids encoding a papaya ACC synthase
    gene and use in regulation of fruit ripening

L4  ANSWER 8 OF 45  CAPLUS COPYRIGHT 2002 ACS
AU  Cruz-Hernandez, Andres; Gomez-Lim, Miguel A.; Litz, Richard E.
TI  Transformation of mango somatic embryos

L4  ANSWER 9 OF 45  CAPLUS COPYRIGHT 2002 ACS
IN  Botella, Jose Ramon
TI  Novel 1-aminocyclopropane-1-carboxylic acid synthase genes from
    pineapple, papaya, and mango

```

L4 ANSWER 10 OF 45 CAPLUS COPYRIGHT 2002 ACS  
 IN Klee, Harry John; Kishore, Ganesh Murthy  
 TI Control of fruit ripening and senescence in plants by expression of aminocyclopropanecarboxylic acid-metabolizing enzyme gene

L4 ANSWER 11 OF 45 CAPLUS COPYRIGHT 2002 ACS  
 IN Grierson, Donald; Hamilton, Andrew John; Lycett, Grantley Walter  
 TI **Antisense** RNA inhibiting ethylene production in plants

L4 ANSWER 12 OF 45 IFIPAT COPYRIGHT 2002 IFI  
 INF Botella; Jose, Kenmore, AU  
 Sanewski; Garth, Nambour, AU  
 IN Botella Jose (AU); Sanewski Garth (AU)  
 TI **ACC SYNTHASE GENES FROM PINEAPPLE;**  
 NUCLEOTIDE AND AMINO ACID SEQUENCE OF 1-AMINOCYCLOPROPANE-1-CARBOXYLIC  
 ACID SYNTHASE; FOR TRANSGENIC PLANTS WITH CONTROLLED INITIATION OF  
 FLOWERING

L4 ANSWER 13 OF 45 IFIPAT COPYRIGHT 2002 IFI  
 INF Botella; Jose Ramon, Kenmore, AU  
 IN Botella Jose Ramon (AU)  
 TI **ACC SYNTHASE GENES FROM PINEAPPLE,**  
**PAPAYA AND MANGO;** NUCLEOTIDE SEQUENCE CODING AN  
 S-ADENOSYL-L-METHIONINE METHYLTHIO-ADENOSINE-LYASE; FOR CONTROLLING PLANT  
 DEVELOPMENT AND FRUIT RIPENING

L4 ANSWER 14 OF 45 IFIPAT COPYRIGHT 2002 IFI  
 INF Neupane, Kabi Raj, Honolulu, HI  
 Stiles, John I., Kaneohe, HI  
 IN Neupane Kabi Raj; Stiles John I  
 TI NUCLEIC ACIDS ENCODING A **PAPAYA ACC SYNTHASE**  
 GENE; 1-AMINOCYCLOPROPANE-1-CARBOXYLIC ACID SYNTHASE DNA SEQUENCES

L4 ANSWER 15 OF 45 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.  
 AU MANSHARDT R. M.; DREW R. A.  
 DREW R.A. (ed.)  
 TIEN Biotechnology of **papaya**  
 International symposium on biotechnology of tropical and subtropical  
 species : Brisbane, 29 September - 3 october 1997. Part II

L4 ANSWER 16 OF 45 PASCAL COPYRIGHT 2002 INIST-CNRS. ALL RIGHTS RESERVED.  
 AU NEUPANE K. R.; MUKATIRA U. T.; KATO C.; STILES J. I.  
 DREW R.A. (ed.)  
 TIEN Cloning and characterization of fruit-expressed **ACC**  
**synthase** and ACC oxidase from **papaya** (Carica  
**papaya** L.)  
 International symposium on biotechnology of tropical and subtropical  
 species : Brisbane, 29 September - 3 october 1997. Part II

L4 ANSWER 17 OF 45 USPATFULL  
 IN Zwick, Michael G., Loveland, CO, United States  
 Edington, Brent E., Boulder, CO, United States  
 McSwiggen, James A., Boulder, CO, United States  
 Merlo, Patricia Ann Owens, Carmel, IN, United States  
 Guo, Lining, Brownsburg, IN, United States  
 Skokut, Thomas A., Carmel, IN, United States  
 Young, Scott A., Indianapolis, IN, United States  
 Folkerts, Otto, Carmel, IN, United States  
 Merlo, Donald J., Carmel, IN, United States  
 TI Nucleic acid encoding delta-9 desaturase

L4 ANSWER 18 OF 45 USPATFULL  
 IN Meyerowitz, Elliott M., Pasadena, CA, United States

Chang, Caren, Pasadena, CA, United States  
 Bleecker, Anthony B., Madison, WI, United States  
 TI Plants having modified response to ethylene by transformation with an  
 ETR nucleic acid

L4 ANSWER 19 OF 45 USPATFULL  
 IN Baden, Catherine S., Martinez, CA, United States  
 Dunsmuir, Pamela, Piedmont, CA, United States  
 Lee, Kathleen Y., Oakland, CA, United States  
 TI Nucleic acids encoding plant group 2 proteins and uses thereof

L4 ANSWER 20 OF 45 USPATFULL  
 IN Keinan, Ehud, Timrat, Israel  
 Itzhaky, Harel, Atlit, Israel  
 Aboud-Pirak, Esther, Kiryat Tivon, Israel  
 Gepstein, Shimon, Haifa, Israel  
 TI Control of fruit ripening and senescence in plants

L4 ANSWER 21 OF 45 USPATFULL  
 IN Theologis, Athanasios, Los Altos Hills, CA, United States  
 Sato, Takahido, Tokyo, Japan  
 TI Control of fruit ripening through genetic control of **ACC  
 synthase** synthesis

L4 ANSWER 22 OF 45 USPATFULL  
 IN Botella, Jose, Kenmore, Australia  
 Sanewski, Garth, Nambour, Australia  
 TI **ACC synthase** genes from **pineapple**

L4 ANSWER 23 OF 45 USPATFULL  
 IN Theologis, Athanasios, Los Altos Hills, CA, United States  
 Sato, Takahido, Funabash, Japan  
 TI Control of fruit ripening through genetic control of **ACC  
 synthase** synthesis

L4 ANSWER 24 OF 45 USPATFULL  
 IN Fernandez, Donna E., 1034 McKenna Blvd., Unit #5, Madison, WI, United  
 States 53719  
 Heck, Gregory R., 2200 Divot Dr., Crystal Lake Park, MO, United States  
 63131-3201  
 TI AGL15 sequences in transgenic plants

L4 ANSWER 25 OF 45 USPATFULL  
 IN Botella, Jose Ramon, Kenmore, Australia  
 TI **ACC synthase** genes from **pineapple,  
 papaya and mango**

L4 ANSWER 26 OF 45 USPATFULL  
 IN Aggelis, Alexandros, Crete, Greece  
 Grierson, Donald, Nottingham, United Kingdom  
 John, Isaac, Ann Arbor, MI, United States  
 Karvouni, Zoi, Athens, Greece  
 TI DNA sequences from muskmelon (Cucumis melo) related to fruit ripening

L4 ANSWER 27 OF 45 USPATFULL  
 IN Nan, Guo-Ling, Honolulu, HI, United States  
 Nagai, Chifumi, Kailua, HI, United States  
 TI Compositions and methods for genetic transformation of **pineapple**

L4 ANSWER 28 OF 45 USPATFULL  
 IN Boeshore, Maury L., Wauconda, IL, United States  
 Deng, Rosaline Z., Oceanside, CA, United States  
 Camey, Kim J., Davis, CA, United States  
 Reynolds, John F., Davis, CA, United States



L4 Ruttencutter, Glen E., DeForest, WI, United States  
 TI Transgenic plants expressing ACC oxidase genes

L4 ANSWER 29 OF 45 USPATFULL  
 IN Boeshore, Maury L., Wauconda, IL, United States  
 Deng, Rosaline Z., Oceanside, CA, United States  
 Carney, Kim J., Davis, CA, United States  
 Ruttencutter, Glen E., DeForest, WI, United States  
 Reynolds, John F., Davis, CA, United States  
 TI Transgenic plants expressing **ACC synthase** gene

L4 ANSWER 30 OF 45 USPATFULL  
 IN Baden, Catherine S., Martinez, CA, United States  
 Dunsmuir, Pamela, Piedmont, CA, United States  
 Lee, Kathleen Y., Oakland, CA, United States  
 TI Plant Group 2 promoters and uses thereof

L4 ANSWER 31 OF 45 USPATFULL  
 IN Firoozabady, Ebrahim, Pleasant Hill, CA, United States  
 Gutterson, Neal, Oakland, CA, United States  
 TI Genetically transformed **pineapple** plants and methods for their production

L4 ANSWER 32 OF 45 USPATFULL  
 IN Kellogg, Jill Anne, 6680 SW. Canby, Portland, OR, United States 97223  
 Bestwick, Richard Keith, 6680 SW. Canby, Portland, OR, United States 97223  
 TI Plant tissue/stage specific promoters for regulated expression of transgenes in plants

L4 ANSWER 33 OF 45 USPATFULL  
 IN Stiles, John I., Kaneohe, HI, United States  
 Moisyadi, Istefo, Honolulu, HI, United States  
 Neupane, Kabi Raj, Honolulu, HI, United States  
 TI Purified proteins, recombinant DNA sequences and processes for controlling the ripening of coffee plant

L4 ANSWER 34 OF 45 USPATFULL  
 IN Bestwick, Richard Keith, Portland, OR, United States  
 Ferro, Adolph J., Lake Oswego, OR, United States  
 TI Regulated expression of heterologous genes in plants and transgenic fruit with a modified ripening phenotype

L4 ANSWER 35 OF 45 USPATFULL  
 IN Meyerowitz, Elliot M., Pasadena, CA, United States  
 Chang, Caren, Pasadena, CA, United States  
 Bleecker, Anthony B., Madison, WI, United States  
 TI Plants having modified response to ethylene

L4 ANSWER 36 OF 45 USPATFULL  
 IN Kellogg, Jill Anne, Portland, OR, United States  
 Bestwick, Richard Keith, Portland, OR, United States  
 TI Plant tissue/stage specific promoters for regulated expression of transgenes in plants

L4 ANSWER 37 OF 45 USPATFULL  
 IN Stiles, John I., Kaneohe, HI, United States  
 Neupane, Kabi Raj, Honolulu, HI, United States  
 TI Nucleic acids encoding a **papaya ACC synthase** gene

L4 ANSWER 38 OF 45 USPATFULL  
 IN Theologis, Athanasios, Los Altos Hills, CA, United States  
 Sato, Takahido, Tokyo, Japan

TI Control of fruit ripening through genetic control of **ACC synthase** synthesis

L4 ANSWER 39 OF 45 USPATFULL  
 IN Klee, Harry John, Ballwin, MO, United States  
 Kishore, Ganesh Murthy, Chesterfield, MO, United States  
 TI Control of fruit ripening and senescence in plants

L4 ANSWER 40 OF 45 USPATFULL  
 IN Meyerowitz, Elliott M., Pasadena, CA, United States  
 Chang, Caren, Pasadena, CA, United States  
 Bleecker, Anthony B., Madison, WI, United States  
 TI Plants having modified response to ethylene

L4 ANSWER 41 OF 45 USPATFULL  
 IN Dunsmuir, Pamela, Piedmont, CA, United States  
 Stott, Jamie S., Oakland, CA, United States  
 TI P119 promoters and their uses

L4 ANSWER 42 OF 45 USPATFULL  
 IN Baden, Catherine S., Martinez, CA, United States  
 Dunsmuir, Pamela, Piedmont, CA, United States  
 Lee, Kathleen Y., Oakland, CA, United States  
 TI Plant group 2 promoters and uses thereof

L4 ANSWER 43 OF 45 USPATFULL  
 IN Grierson, Donald, Loughbrough, England  
 Hamilton, Andrew J., Nottingham, England  
 Lycett, Grantley W., Loughbrough, England  
 TI DNA constructs containing the gene for ACC Oxidase, cells and plants derived therefrom

L4 ANSWER 44 OF 45 USPATFULL  
 IN Klee, Harry J., Ballwin, MO, United States  
 Kishore, Ganesh M., Chesterfield, MO, United States  
 TI Control of fruit ripening and senescence in plants

L4 ANSWER 45 OF 45 USPATFULL  
 IN Grierson, Donald, Loughbrough, England  
 Hamilton, Andrew J., Nottingham, England  
 Lycett, Grantley W., Loughbrough, England  
 TI **Antisense** constructs derived from pTOM13 plants and plant cells with reduced ethylene evolution

=> duplicate remove l4

DUPLICATE IS NOT AVAILABLE IN 'BIOCOMMERCE, FOREGE, GENBANK, INVESTEXT'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

DUPLICATE PREFERENCE IS 'CABA, CAPLUS, IFIPAT, PASCAL, USPATFULL'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L4

L5 39 DUPLICATE REMOVE L4 (6 DUPLICATES REMOVED)

=> d 15 1-39

L5 ANSWER 1 OF 39 USPATFULL  
 AN 2002:40087 USPATFULL  
 TI Nucleic acid encoding delta-9 desaturase  
 IN Zwick, Michael G., Loveland, CO, United States  
 Edington, Brent E., Boulder, CO, United States  
 McSwiggen, James A., Boulder, CO, United States  
 Merlo, Patricia Ann Owens, Carmel, IN, United States  
 Guo, Lining, Brownsburg, IN, United States  
 Skokut, Thomas A., Carmel, IN, United States

Young, Scott A., Indianapolis, IN, United States  
 Folkerts, Otto, Carmel, IN, United States  
 Merlo, Donald J., Carmel, IN, United States  
 PA Ribozyne Pharmaceuticals, Inc., Indianapolis, IN, United States (U.S. corporation)  
 DowElanco, Boulder, CO, United States (U.S. corporation)  
 PI US 6350934 B1 20020226  
 AI US 1996-679645 19960712 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-300726, filed on 2 Sep 1994  
 PRAI US 1995-1135 19950713 (60)  
 DT Utility  
 FS GRANTED  
 LN.CNT 8621  
 INCL INCLM: 800/281.000  
 INCLS: 800/278.000; 800/286.000; 800/287.000; 800/292.000; 800/293.000;  
 800/294.000; 800/300.000; 800/320.100; 435/412.000; 435/419.000;  
 435/320.100; 435/469.000; 435/470.000; 536/023.200; 536/023.600  
 NCL NCLM: 800/281.000  
 NCLS: 800/278.000; 800/286.000; 800/287.000; 800/292.000; 800/293.000;  
 800/294.000; 800/300.000; 800/320.100; 435/412.000; 435/419.000;  
 435/320.100; 435/469.000; 435/470.000; 536/023.200; 536/023.600  
 IC [7]  
 ICM: C12N005-04  
 ICS: C12N015-29; C12N015-82; A01H005-00  
 EXF 536/23.2; 536/23.6; 800/278; 800/281; 800/286; 800/292; 800/293;  
 800/294; 800/298; 800/287; 800/300; 800/320.1; 435/320.1; 435/469;  
 435/470; 435/412; 435/419  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L5 ANSWER 2 OF 39 IFIPAT COPYRIGHT 2002 IFI DUPLICATE 1  
 AN 3469110 IFIPAT;IFIUDB;IFICDB  
 TI **ACC SYNTHASE GENES FROM PINEAPPLE;**  
 NUCLEOTIDE AND AMINO ACID SEQUENCE OF 1-AMINOCYCLOPROPANE-1-CARBOXYLIC  
 ACID SYNTHASE; FOR TRANSGENIC PLANTS WITH CONTROLLED INITIATION OF  
 FLOWERING  
 IN Botella Jose (AU); Sanewski Garth (AU)  
 PA Golden Circle Ltd AU  
 Queensland, State of AU  
 Queensland, University of AU  
 (135, 56379, 56409)  
 PI US 6194639 20010227  
 AI US 1997-846826 19970501  
 PRAI AU 1996-9582 19960501  
 FI US 6194639 20010227  
 DT UTILITY  
 FS CHEMICAL  
 CLMN 36  
 GI 6 Drawing Sheet(s), 7 Figure(s).  
 L5 ANSWER 3 OF 39 USPATFULL  
 AN 2001:163380 USPATFULL  
 TI Plants having modified response to ethylene by transformation with an  
 ETR nucleic acid  
 IN Meyerowitz, Elliott M., Pasadena, CA, United States  
 Chang, Caren, Pasadena, CA, United States  
 Bleecker, Anthony B., Madison, WI, United States  
 PA California Institute of Technology, Pasadena, CA, United States (U.S. corporation)  
 PI US 6294716 B1 20010925  
 AI US 1996-714524 19960916 (8)  
 RLI Continuation of Ser. No. US 1994-263480, filed on 28 Jun 1994, now  
 abandoned Continuation-in-part of Ser. No. US 1993-86555, filed on 1 Jul  
 1993, now abandoned  
 DT Utility

FS GRANTED  
LN.CNT 1782  
INCL INCLM: 800/317.400  
INCLS: 435/320.100; 435/419.000; 435/440.000; 536/023.600; 800/283.000;  
800/298.000  
NCL NCLM: 800/317.400  
NCLS: 435/320.100; 435/419.000; 435/440.000; 536/023.600; 800/283.000;  
800/298.000  
IC [7]  
ICM: A01H005-00  
ICS: A01H005-08; C12N005-14; C12N015-82  
EXF 536/23.6; 435/172.3; 435/320.1; 435/419; 435/69.1; 435/468; 435/440;  
435/283; 800/205; 800/DIG.15; 800/DIG.44; 800/69.1; 800/278; 800/298;  
800/317.4; 800/287  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 4 OF 39 USPATFULL  
AN 2001:158556 USPATFULL  
TI Nucleic acids encoding plant group 2 proteins and uses thereof  
IN Baden, Catherine S., Martinez, CA, United States  
Dunsmuir, Pamela, Piedmont, CA, United States  
Lee, Kathleen Y., Oakland, CA, United States  
PA DNA Plant Technology Corporation, Oakland, CA, United States (U.S.  
corporation)  
PI US 6291744 B1 20010918  
AI US 1998-127646 19980731 (9)  
RLI Continuation-in-part of Ser. No. US 1996-761549, filed on 6 Dec 1996,  
now patented, Pat. No. US 5981727 Continuation-in-part of Ser. No. US  
1994-289458, filed on 20 Aug 1994, now patented, Pat. No. US 5608144  
DT Utility  
FS GRANTED  
LN.CNT 2197  
INCL INCLM: 800/301.000  
INCLS: 800/278.000; 800/279.000; 800/287.000; 536/023.600; 435/320.100;  
435/419.000; 435/468.000  
NCL NCLM: 800/301.000  
NCLS: 435/320.100; 435/419.000; 435/468.000; 536/023.600; 800/278.000;  
800/279.000; 800/287.000  
IC [7]  
ICM: A01H005-00  
ICS: C12N015-82  
EXF 536/23.6; 800/278; 800/279; 800/298; 800/301; 800/287; 435/69.1;  
435/320.1; 435/419; 435/468  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 39 USPATFULL  
AN 2001:125782 USPATFULL  
TI Control of fruit ripening and senescence in plants  
IN Keinan, Ehud, Timrat, Israel  
Itzhaky, Harel, Atlit, Israel  
Aboud-Pirak, Esther, Kiryat Tivon, Israel  
Gepstein, Shimon, Haifa, Israel  
PA Vitality Biotechnologies, Inc., Orangeburg, NY, United States (U.S.  
corporation)  
PI US 6271009 B1 20010807  
AI US 1999-245736 19990208 (9)  
DT Utility  
FS GRANTED  
LN.CNT 1109  
INCL INCLM: 435/188.500  
INCLS: 435/254.100; 435/255.100; 435/345.000; 435/410.000  
NCL NCLM: 435/188.500  
NCLS: 435/254.100; 435/255.100; 435/345.000; 435/410.000  
IC [7]

ICM: C12N009-00  
 ICS: C12N001-14; C12N001-16; C12N005-04; C12N005-06  
 EXF 435/188.5; 435/254.1; 435/255.1; 435/410; 435/745  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 39 USPATFULL  
 AN 2001:44438 USPATFULL  
 TI Control of fruit ripening through genetic control of **ACC synthase** synthesis  
 IN Theologis, Athanasios, Los Altos Hills, CA, United States  
 Sato, Takahido, Tokyo, Japan  
 PA The United States of America as represented by the Department of Agriculture, Washington, DC, United States (U.S. government)  
 PI US 6207881 B1 20010327  
 AI US 1995-378313 19950125 (8)  
 RLI Continuation of Ser. No. US 1992-862493, filed on 19 Apr 1992, now abandoned Continuation-in-part of Ser. No. US 1990-579896, filed on 10 Sep 1990, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 1633  
 INCL INCLM: 800/298.000  
 INCLS: 435/320.100; 435/419.000; 536/023.200; 536/023.600  
 NCL NCLM: 800/298.000  
 NCLS: 435/320.100; 435/419.000; 536/023.200; 536/023.600  
 IC [7]  
 ICM: A01H005-00  
 ICS: C12N005-14; C12N015-29; C12N015-52; C12N015-82  
 EXF 435/69.1; 435/320.1; 435/419; 435/468; 536/23.2; 536/23.6; 800/278; 800/283; 800/298  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 39 IFIPAT COPYRIGHT 2002 IFI DUPLICATE 2  
 AN 3391439 IFIPAT;IFIUDB;IFICDB  
 TI **ACC SYNTHASE GENES FROM PINEAPPLE, PAPAYA AND MANGO; NUCLEOTIDE SEQUENCE CODING AN S-ADENOSYL-L-METHIONINE METHYTHIO-ADENOSINE-LYASE; FOR CONTROLLING PLANT DEVELOPMENT AND FRUIT RIPENING**  
 IN Botella Jose Ramon (AU)  
 PA Queensland, University of AU (135)  
 PI US 6124525 20000926  
 WO 9711166 19970327  
 AI US 1998-43627 19980320  
 WO 1996-AU591 19960920  
 19980320 PCT 371 date  
 19980320 PCT 102(e) date  
 PRAI AU 1995-5559 19950920  
 AU 1996-3N3 19960502  
 FI US 6124525 20000926  
 DT UTILITY  
 FS CHEMICAL  
 MRN 009131 MFN: 0043  
 CLMN 25  
 GI 10 Drawing Sheet(s), 10 Figure(s).

L5 ANSWER 8 OF 39 USPATFULL  
 AN 2000:164712 USPATFULL  
 TI Control of fruit ripening through genetic control of **ACC synthase** synthesis  
 IN Theologis, Athanasios, Los Altos Hills, CA, United States  
 Sato, Takahido, Funabash, Japan  
 PA The United States of America as represented by the United States Department of Agriculture, Washington, DC, United States (U.S. government)

PI US 6156956 20001205  
 AI US 1998-33349 19980302 (9)  
 RLI Continuation of Ser. No. US 1995-481171, filed on 7 Jun 1995, now patented, Pat. No. US 5723766 which is a division of Ser. No. US 1995-378313, filed on 25 Jan 1995, now patented, Pat. No. US 5824860 which is a continuation of Ser. No. US 1992-862493, filed on 2 Apr 1992, now abandoned which is a continuation-in-part of Ser. No. US 1990-579896, filed on 10 Sep 1990, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 3712  
 INCL INCLM: 800/317.400  
 INCLS: 435/069.100; 435/252.300; 435/320.100; 435/411.000; 435/419.000; 435/468.000; 800/283.000; 800/286.000; 800/287.000; 800/298.000  
 NCL NCLM: 800/317.400  
 NCLS: 435/069.100; 435/252.300; 435/320.100; 435/411.000; 435/419.000; 435/468.000; 800/283.000; 800/286.000; 800/287.000; 800/298.000  
 IC [7]  
 ICM: A01H005-00  
 EXF 536/23.2; 536/23.6; 435/320.1; 435/419; 435/468; 435/411; 435/69.1; 435/252.3; 800/278; 800/286; 800/287; 800/283; 800/298; 800/317.4  
 L5 ANSWER 9 OF 39 USPATFULL  
 AN 2000:138519 USPATFULL  
 TI AGL15 sequences in transgenic plants  
 IN Fernandez, Donna E., 1034 McKenna Blvd., Unit #5, Madison, WI, United States 53719  
 Heck, Gregory R., 2200 Divot Dr., Crystal Lake Park, MO, United States 63131-3201  
 PI US 6133435 20001017  
 AI US 1997-904284 19970731 (8)  
 PRAI US 1996-31205 19961121 (60)  
 DT Utility  
 FS Granted  
 LN.CNT 1177  
 INCL INCLM: 536/023.600  
 INCLS: 435/069.100; 435/468.000; 435/411.000; 435/419.000; 435/469.000; 435/410.000; 800/306.000; 800/278.000; 800/290.000; 800/295.000; 800/298.000  
 NCL NCLM: 536/023.600  
 NCLS: 435/069.100; 435/410.000; 435/411.000; 435/419.000; 435/468.000; 435/469.000; 800/278.000; 800/290.000; 800/295.000; 800/298.000; 800/306.000  
 IC [7]  
 ICM: C12N005-04  
 ICS: C12N015-29; C12N015-82; A01H004-00  
 EXF 536/23.6; 435/252.2; 435/320.1; 435/418; 435/419; 435/69.1; 435/468; 435/411; 435/469; 435/410; 800/205; 800/250; 800/306; 800/278; 800/290; 800/295; 800/298  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
 L5 ANSWER 10 OF 39 USPATFULL  
 AN 2000:110051 USPATFULL  
 TI DNA sequences from muskmelon (Cucumis melo) related to fruit ripening  
 IN Aggelis, Alexandros, Crete, Greece  
 Grierson, Donald, Nottingham, United Kingdom  
 John, Isaac, Ann Arbor, MI, United States  
 Karvouni, Zoi, Athens, Greece  
 PA Zeneca Limited, London, United Kingdom (non-U.S. corporation)  
 PI US 6107548 20000822  
 WO 9737023 19971009  
 AI US 1998-142514 19980909 (9)  
 WO 1997-GB824 19970324  
 19980909 PCT 371 date

19980909 PCT 102(e) date

PRAI GB 1996-6906 19960402  
DT Utility  
FS Granted  
LN.CNT 714  
INCL INCLM: 800/298.000  
INCLS: 435/320.100; 536/023.600; 800/278.000  
NCL NCLM: 800/298.000  
NCLS: 435/320.100; 536/023.600; 800/278.000  
IC [7]  
ICM: A01H005-00  
ICS: A01H005-08; C12N015-82  
EXF 435/69.1; 435/320.1; 435/419; 435/468; 536/23.6; 800/278; 800/286;  
800/298; 800/309  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 39 USPATFULL  
AN 2000:92158 USPATFULL  
TI Compositions and methods for genetic transformation of **pineapple**  
IN Nan, Guo-Ling, Honolulu, HI, United States  
Nagai, Chifumi, Kailua, HI, United States  
PA University of Hawaii, Honolulu, HI, United States (U.S. corporation)  
PI US 6091003 20000718  
AI US 1998-78862 19980514 (9)  
DT Utility  
FS Granted  
LN.CNT 2495  
INCL INCLM: 800/293.000  
INCLS: 435/069.100; 435/419.000; 435/430.000; 435/430.100; 800/283.000;  
800/286.000; 800/288.000; 800/298.000  
NCL NCLM: 800/293.000  
NCLS: 435/069.100; 435/419.000; 435/430.000; 435/430.100; 800/283.000;  
800/286.000; 800/288.000; 800/298.000  
IC [7]  
ICM: C12N005-04  
ICS: C12N015-82; C12N015-90; A01H005-00  
EXF 435/69.1; 435/410; 435/418; 435/419; 435/431; 435/430.1; 435/468;  
435/470; 435/430; 536/24.5; 536/23.6; 800/278; 800/279; 800/283;  
800/285; 800/286; 800/288; 800/293; 800/295; 800/298; 800/301; 800/302  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 12 OF 39 USPATFULL  
AN 2000:37965 USPATFULL  
TI Transgenic plants expressing ACC oxidase genes  
IN Boeshore, Maury L., Wauconda, IL, United States  
Deng, Rosaline Z., Oceanside, CA, United States  
Camey, Kim J., Davis, CA, United States  
Reynolds, John F., Davis, CA, United States  
Ruttencutter, Glen E., DeForest, WI, United States  
PA Seminis Vegetable Seeds, Inc., Saticoy, CA, United States (U.S. corporation)  
PI US 6043409 20000328  
WO 9607742 19960314  
AI US 1997-793666 19970627 (8)  
WO 1995-US7233 19950607  
19970627 PCT 371 date  
19970627 PCT 102(e) date  
RLI Continuation of Ser. No. US 300335  
DT Utility  
FS Granted  
LN.CNT 1941  
INCL INCLM: 800/278.000  
INCLS: 536/023.200; 536/023.600; 536/023.100; 800/283.000; 800/285.000;  
800/295.000; 800/306.000; 435/069.100; 435/468.000; 435/471.000;

435/410.000; 435/419.000  
NCL NCLM: 800/278.000  
NCLS: 435/069.100; 435/410.000; 435/419.000; 435/468.000; 435/471.000;  
536/023.100; 536/023.200; 536/023.600; 800/283.000; 800/285.000;  
800/295.000; 800/306.000

IC [7]

ICM: C12N005-04

ICS: C12N015-29; A01H005-00; A01H005-10

EXF 536/23.2; 536/23.6; 536/23.1; 800/278; 800/283; 800/285; 800/295;  
800/306; 435/69.1; 435/468; 435/471; 435/410; 435/419

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 13 OF 39 CABA COPYRIGHT 2002 CABI

AN 2001:77227 CABA

DN 20013060248

TI Towards the production of transgenic **pineapple** to control  
flowering and ripening

AU Botella, J. R.; Cavallaro, A. S.; Cazzonelli, C. I.; Subhadrabandhu, S.  
[EDITOR]; Chairidchai, P. [EDITOR]

CS Plant Genetic Engineering Laboratory, Department of Botany, University of  
Queensland, Brisbane Qld 4072, Australia.

SO Acta Horticulturae, (2000) No. 529, pp. 115-122. 9 ref.  
Price: 67 EURO.

Meeting Info.: Proceedings of the Third International Pineapple Symposium,  
Pattaya, Thailand, 17-20 November 1998.

ISSN: 0567-7572; ISBN: 90-6605-902-8

DT Journal; Conference Article

LA English

L5 ANSWER 14 OF 39 CAPLUS COPYRIGHT 2002 ACS

AN 2000:755957 CAPLUS

DN 134:128637

TI Towards the production of transgenic **pineapple** to control  
flowering and ripening

AU Botella, Jose R.; Cavallaro, Antonino S.; Cazzonelli, Christopher I.

CS Plant Genetic Engineering Laboratory, University of Queensland, Brisbane,  
4072, Australia

SO Acta Horticulturae (2000), 529(Proceedings of the Third International  
Pineapple Symposium, 1998), 115-122

CODEN: AHORA2; ISSN: 0567-7572

PB International Society for Horticultural Science

DT Journal

LA English

RE.CNT 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 15 OF 39 USPATFULL

AN 1999:160318 USPATFULL

TI Transgenic plants expressing **ACC synthase** gene

IN Boeshore, Maury L., Wauconda, IL, United States

Deng, Rosaline Z., Oceanside, CA, United States

Carney, Kim J., Davis, CA, United States

Ruttencutter, Glen E., DeForest, WI, United States

Reynolds, John F., Davis, CA, United States

PA Seminis Vegetable Seeds, Inc., Saticoy, CA, United States (U.S.  
corporation)

PI US 5998702 19991207

WO 9621027 19960711

AI US 1997-860577 19970922 (8)

WO 1995-US7271 19950607

19970922 PCT 371 date

19970922 PCT 102(e) date

DT Utility

FS Granted



LN.CNT 1499  
INCL INCLM: 800/306.000  
INCLS: 435/252.200; 435/252.300; 435/320.100; 435/419.000; 536/023.200  
NCL NCLM: 800/306.000  
NCLS: 435/252.200; 435/252.300; 435/320.100; 435/419.000; 536/023.200  
IC [6]  
ICM: A01H005-00  
ICS: A01H005-10; C07H021-04; C12N001-21  
EXF 435/252.3; 435/320.1; 435/419; 435/252.2; 536/23.6; 536/23.2; 800/206;  
800/283; 800/298; 800/306; 800/286  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 16 OF 39 USPATFULL  
AN 1999:142134 USPATFULL  
TI Plant Group 2 promoters and uses thereof  
IN Baden, Catherine S., Martinez, CA, United States  
Dunsmuir, Pamela, Piedmont, CA, United States  
Lee, Kathleen Y., Oakland, CA, United States  
PA DNA Plant Technology Corporation, Oakland, CA, United States (U.S.  
corporation)  
PI US 5981727 19991109  
AI US 1996-761549 19961206 (8)  
RLI Continuation of Ser. No. US 1994-289458, filed on 12 Aug 1994, now  
patented, Pat. No. US 5608144  
DT Utility  
FS Granted

LN.CNT 2068  
INCL INCLM: 536/023.600  
INCLS: 536/024.100; 435/172.300  
NCL NCLM: 536/023.600  
NCLS: 536/024.100  
IC [6]  
ICM: C12N015-00  
ICS: C07H021-04  
EXF 800/205; 435/69.1; 435/172.3; 435/419; 536/24.1; 536/23.6  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 17 OF 39 USPATFULL  
AN 1999:110532 USPATFULL  
TI Genetically transformed **pineapple** plants and methods for their  
production  
IN Firoozabady, Ebrahim, Pleasant Hill, CA, United States  
Gutterson, Neal, Oakland, CA, United States  
PA DNA Plant Technology Corporation, Oakland, CA, United States (U.S.  
corporation)  
PI US 5952543 19990914  
AI US 1998-28936 19980224 (9)  
DT Utility  
FS Granted  
LN.CNT 1333  
INCL INCLM: 800/294.000  
INCLS: 800/278.000; 800/279.000; 800/283.000; 800/288.000; 800/290.000;  
800/301.000; 800/302.000; 800/280.000; 800/284.000; 800/298.000;  
435/419.000; 435/418.000; 435/430.000; 435/430.100; 435/431.000;  
435/469.000  
NCL NCLM: 800/294.000  
NCLS: 435/418.000; 435/419.000; 435/430.000; 435/430.100; 435/431.000;  
435/469.000; 800/278.000; 800/279.000; 800/280.000; 800/283.000;  
800/284.000; 800/288.000; 800/290.000; 800/298.000; 800/301.000;  
800/302.000  
IC [6]  
ICM: A01H005-00  
ICS: C12N015-82; C12N015-84; C12N005-04  
EXF 435/69.1; 435/252.2; 435/418; 435/419; 435/430; 435/431; 435/469;

435/430.1; 536/23.6; 536/24.1; 800/279; 800/280; 800/283; 800/284;  
800/288; 800/290; 800/294; 800/301; 800/302; 800/278; 800/298

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 18 OF 39 USPATFULL  
AN 1999:85653 USPATFULL  
TI Plant tissue/stage specific promoters for regulated expression of  
transgenes in plants  
IN Kellogg, Jill Anne, 6680 SW. Canby, Portland, OR, United States 97223  
Bestwick, Richard Keith, 6680 SW. Canby, Portland, OR, United States  
97223  
PI US 5929302 19990727  
AI US 1998-111573 19980708 (9)  
RLI Division of Ser. No. US 1996-592936, filed on 29 Jan 1996, now patented,  
Pat. No. US 5783393  
DT Utility  
FS Granted  
LN.CNT 1875  
INCL INCLM: 800/278.000  
INCLS: 800/298.000; 435/419.000; 435/468.000; 536/024.100  
NCL NCLM: 800/278.000  
NCLS: 435/419.000; 435/468.000; 536/024.100; 800/298.000  
IC [6]  
ICM: A01H001-06  
ICS: A01H005-00; C12P021-00; C07H021-04  
EXF 435/69.4; 435/419; 435/468; 536/24.1; 800/205; 800/250  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 19 OF 39 USPATFULL  
AN 1999:24491 USPATFULL  
TI Purified proteins, recombinant DNA sequences and processes for  
controlling the ripening of coffee plant  
IN Stiles, John I., Kaneohe, HI, United States  
Moisyadi, Istefo, Honolulu, HI, United States  
Neupane, Kabi Raj, Honolulu, HI, United States  
PA University of Hawaii, Honolulu, HI, United States (U.S. corporation)  
PI US 5874269 19990223  
AI US 1996-695412 19960812 (8)  
RLI Continuation-in-part of Ser. No. US 1995-485107, filed on 7 Jun 1995,  
now patented, Pat. No. US 5767376  
DT Utility  
FS Granted  
LN.CNT 1271  
INCL INCLM: 435/189.000  
INCLS: 536/023.600; 435/232.000; 435/183.000; 435/468.000; 435/320.100;  
800/278.000; 800/283.000; 800/285.000; 800/286.000; 800/298.000  
NCL NCLM: 435/189.000  
NCLS: 435/183.000; 435/232.000; 435/320.100; 435/468.000; 536/023.600;  
800/278.000; 800/283.000; 800/285.000; 800/286.000; 800/298.000  
IC [6]  
ICM: C12N009-02  
ICS: C12N009-88; C12N015-29; C12N015-00; A01H005-00; A01H005-10  
EXF 536/23.6; 435/172.3; 435/189; 435/183; 435/232; 435/468; 435/320.1;  
047/58; 800/278; 800/283; 800/285; 800/286; 800/298  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 20 OF 39 USPATFULL  
AN 1999:4980 USPATFULL  
TI Regulated expression of heterologous genes in plants and transgenic  
fruit with a modified ripening phenotype  
IN Bestwick, Richard Keith, Portland, OR, United States  
Ferro, Adolph J., Lake Oswego, OR, United States  
PA Epitope, Inc., Beaverton, OR, United States (U.S. corporation)  
PI US 5859330 19990112

AI US 1994-331355 19941027 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-261677, filed on 17 Jun 1994  
 Ser. No. Ser. No. US 1993-46583, filed on 9 Apr 1993 And Ser. No. US  
 1994-255833, filed on 8 Jun 1994, now patented, Pat. No. US 5416250  
 which is a continuation of Ser. No. US 1990-613858, filed on 12 Dec  
 1990, now abandoned which is a continuation-in-part of Ser. No. US  
 1989-448095, filed on 12 Dec 1989, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 2504  
 INCL INCLM: 800/205.000  
 INCLS: 800/DIG.064; 800/DIG.065; 435/069.100; 435/172.300; 435/320.100;  
 435/419.000; 536/023.100; 536/024.100; 536/023.600; 536/023.700  
 NCL NCLM: 800/283.000  
 NCLS: 435/069.100; 435/320.100; 435/419.000; 536/023.100; 536/023.600;  
 536/023.700; 536/024.100; 800/298.000; 800/317.400  
 IC [6]  
 ICM: A01H005-00  
 ICS: A01H005-08; C12N015-82  
 EXF 800/205; 800/DIG.64; 800/65; 435/69.1; 435/172.3; 435/240.4; 435/320.1;  
 435/419; 536/23.1; 536/24.1; 536/23.6; 536/23.7  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 21 OF 39 CAPLUS COPYRIGHT 2002 ACS DUPLICATE 3  
 AN 1998:421102 CAPLUS  
 DN 129:78507  
 TI Nucleic acids encoding a **papaya ACC synthase**  
 gene and use in regulation of fruit ripening  
 IN Stiles, John I.; Neupane, Kabi Raj  
 PA University of Hawaii At Manoa, USA  
 SO U.S., 33 pp.  
 CODEN: USXXAM  
 DT Patent  
 LA English  
 FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 5767376	A	19980616	US 1995-485107	19950607
	US 5874269	A	19990223	US 1996-695412	19960812
PRAI	US 1995-485107	A2	19950607		

L5 ANSWER 22 OF 39 USPATFULL  
 AN 1998:128446 USPATFULL  
 TI Plants having modified response to ethylene  
 IN Meyerowitz, Elliot M., Pasadena, CA, United States  
 Chang, Caren, Pasadena, CA, United States  
 Bleecker, Anthony B., Madison, WI, United States  
 PA California Institute of Technology, Pasadena, CA, United States (U.S.  
 corporation)  
 PI US 5824868 19981020  
 AI US 1995-484101 19950607 (8)  
 RLI Continuation-in-part of Ser. No. US 1994-263480, filed on 28 Jun 1994,  
 now abandoned which is a continuation-in-part of Ser. No. US 1993-86555,  
 filed on 1 Jul 1993, now abandoned  
 DT Utility  
 FS Granted  
 LN.CNT 3778  
 INCL INCLM: 800/205.000  
 INCLS: 435/172.300; 435/320.100; 435/419.000; 536/023.600; 536/024.500  
 NCL NCLM: 800/286.000  
 NCLS: 435/320.100; 435/419.000; 536/023.600; 536/024.500; 800/283.000;  
 800/287.000; 800/298.000  
 IC [6]  
 ICM: A01H005-00

ICS: C12N005-14; C12N015-29; C12N015-82  
EXF 435/69.1; 435/320.1; 435/172.3; 435/240.4; 435/419; 800/205; 800/DIG.15;  
800/DIG.44; 536/23.6; 536/24.5  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 23 OF 39 USPATFULL  
AN 1998:85780 USPATFULL  
TI Plant tissue/stage specific promoters for regulated expression of  
transgenes in plants  
IN Kellogg, Jill Anne, Portland, OR, United States  
Bestwick, Richard Keith, Portland, OR, United States  
PA Agritope, Inc., Beaverton, OR, United States (U.S. corporation)  
PI US 5783393 19980721  
AI US 1996-592936 19960129 (8)  
DT Utility  
FS Granted  
LN.CNT 1797  
INCL INCLM: 435/006.000  
INCLS: 435/320.100; 435/419.000; 536/023.100; 536/024.300  
NCL NCLM: 435/006.000  
NCLS: 435/320.100; 435/419.000; 536/023.100; 536/024.300  
IC [6]  
ICM: C12Q001-68  
ICS: C12N015-29; C12N005-04; C07H021-04  
EXF 435/6; 435/320.1; 435/419; 435/320; 536/23.1; 536/24.3  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 24 OF 39 USPATFULL  
AN 1998:22519 USPATFULL  
TI Control of fruit ripening through genetic control of ACC  
**synthase** synthesis  
IN Theologis, Athanasios, Los Altos Hills, CA, United States  
Sato, Takahiko, Tokyo, Japan  
PA The United States of America as represented by the Secretary of the  
Agriculture, Washington, DC, United States (U.S. government)  
PI US 5723766 19980303  
AI US 1995-481171 19950607 (8)  
RLI Division of Ser. No. US 1995-378313, filed on 25 Jan 1995 which is a  
continuation of Ser. No. US 1992-862493, filed on 2 Apr 1992, now  
abandoned which is a continuation-in-part of Ser. No. US 1990-579896,  
filed on 10 Sep 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 2149  
INCL INCLM: 800/205.000  
INCLS: 435/320.100; 435/240.400; 435/172.300; 800/DIG.044  
NCL NCLM: 800/283.000  
NCLS: 435/320.100; 435/411.000; 435/419.000; 800/286.000; 800/317.400  
IC [6]  
ICM: A01H004-00  
ICS: C12N015-82; C12N005-14  
EXF 435/320.1; 435/240.4; 435/172.3; 800/205; 800/DIG.44; 536/23.2  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 25 OF 39 CABA COPYRIGHT 2002 CABI DUPLICATE 4  
AN 1998:171066 CABA  
DN 981614041  
TI Cloning and characterization of fruit-expressed ACC  
**synthase** and ACC oxidase from **papaya** (Carica  
**papaya** L.)  
AU Neupane, K. R.; Mukatira, U. T.; Kato, C.; Stiles, J. I.; Drew, R. A.  
[EDITOR]  
CS Department of Plant Molecular Physiology, University of Hawaii, Honolulu,  
Hawaii 96822, USA.

SO Acta Horticulturae, (1998) No. 461, pp. 329-337. 18 ref.  
Meeting Info.: Proceedings of the international symposium on biotechnology of tropical and subtropical species, part II, Brisbane, Queensland, Australia, 29 September - 3 October 1997.  
ISSN: 0567-7572; ISBN: 90-6605-890-0  
DT Conference Article; Journal  
LA English

L5 ANSWER 26 OF 39 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:617043 CAPLUS  
DN 130:34810

TI Cloning and characterization of fruit-expressed **ACC synthase** and ACC oxidase from **papaya** (*Carica papaya* L.)

AU Neupane, K. R.; Mukatira, U. T.; Kato, C.; Stiles, J. I.  
CS Department of Plant Molecular Physiology, University of Hawaii, Honolulu, HI, 96822, USA

SO Acta Hort. (1998), 461(International Symposium on Biotechnology of Tropical and Subtropical Species, 1997, Pt. 2), 329-337  
CODEN: AHORA2; ISSN: 0567-7572

PB International Society for Horticultural Science  
DT Journal  
LA English

RE.CNT 18 THERE ARE 18 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L5 ANSWER 27 OF 39 CABA COPYRIGHT 2002 CABI DUPLICATE 5  
AN 1998:170833 CABA  
DN 981613808

TI Biotechnology of **papaya**

AU Manshardt, R. M.; Drew, R. A.; Drew, R. A. [EDITOR]  
CS Department of Horticulture, University of Hawaii, Honolulu, HI 96822, USA.

SO Acta Horticulturae, (1998) No. 461, pp. 65-73. 39 ref.  
Meeting Info.: Proceedings of the international symposium on biotechnology of tropical and subtropical species, part II, Brisbane, Queensland, Australia, 29 September-3 October 1997.  
ISSN: 0567-7572

DT Conference Article; Journal  
LA English

L5 ANSWER 28 OF 39 CAPLUS COPYRIGHT 2002 ACS  
AN 1997:303343 CAPLUS  
DN 126:273270

TI Novel 1-aminocyclopropane-1-carboxylic acid synthase genes from **pineapple, papaya, and mango**

IN Botella, Jose Ramon  
PA University of Queensland, Australia; Botella, Jose Ramon

SO PCT Int. Appl., 46 pp.  
CODEN: PIXXD2

DT Patent  
LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
	-----	---	-----	-----	-----
PI	WO 9711166	A1	19970327	WO 1996-AU591	19960920
	W: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
	RW: KE, LS, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI				
	AU 9669200	A1	19970409	AU 1996-69200	19960920
	AU 727323	B2	20001207		

EP 854916                    A1    19980729                    EP 1996-929980    19960920  
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,  
IE, FI

US 6124525                    A    20000926                    US 1998-43627    19980320  
PRAI AU 1995-5559            A    19950920  
AU 1996-9603                A    19960502  
WO 1996-AU591                W    19960920

L5    ANSWER 29 OF 39    USPATFULL  
AN    97:123075    USPATFULL  
TI    Control of fruit ripening and senescence in plants  
IN    Klee, Harry John, Ballwin, MO, United States  
Kishore, Ganesh Murthy, Chesterfield, MO, United States  
PA    Monsanto Company, St. Louis, MO, United States (U.S. corporation)  
PI    US 5702933                    19971230  
AI    US 1995-553943                19951106 (8)  
RLI   Continuation of Ser. No. US 1991-809457, filed on 17 Dec 1991, now  
patented, Pat. No. US 5512466 which is a continuation-in-part of Ser.  
No. US 1990-632440, filed on 26 Dec 1990, now abandoned  
DT    Utility  
FS    Granted  
LN.CNT 1877  
INCL   INCLM: 435/172.300  
INCLS: 435/172.100; 435/069.100; 435/070.100; 435/227.000; 435/320.100;  
435/375.000; 800/200.000; 800/205.000; 536/023.200; 536/023.700;  
047/058.000  
NCL    NCLM: 800/283.000  
NCLS: 435/069.100; 435/070.100; 435/227.000; 435/320.100; 435/375.000;  
536/023.200; 536/023.700; 800/298.000; 800/305.000; 800/306.000;  
800/309.000; 800/314.000; 800/315.000; 800/323.000; 800/323.300  
IC    [6]  
ICM: C12N015-31  
ICS: C12N015-63; C12N015-82; A01H005-08  
EXF   800/200; 800/205; 800/DIG.9; 800/10; 800/13; 800/15; 800/16; 800/18;  
800/19; 800/27; 800/30; 800/31; 800/34; 800/36; 800/37; 800/52; 800/29;  
800/17; 800/68; 800/63; 800/64; 800/65; 435/172.3; 435/320.1; 435/69.1;  
435/70.1; 435/227; 435/375; 435/172.1; 047/58; 536/23.2; 536/23.7  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5    ANSWER 30 OF 39    USPATFULL  
AN    97:107335    USPATFULL  
TI    Plants having modified response to ethylene  
IN    Meyerowitz, Elliott M., Pasadena, CA, United States  
Chang, Caren, Pasadena, CA, United States  
Bleecker, Anthony B., Madison, WI, United States  
PA    California Institute of Technology, Pasadena, CA, United States (U.S.  
corporation)  
PI    US 5689055                    19971118  
AI    US 1995-530010                19950919 (8)  
RLI   Continuation of Ser. No. US 1993-86555, filed on 1 Jul 1993, now  
abandoned  
DT    Utility  
FS    Granted  
LN.CNT 1788  
INCL   INCLM: 800/205.000  
INCLS: 800/DIG.044; 536/023.600; 435/172.300; 435/240.400  
NCL    NCLM: 800/283.000  
NCLS: 536/023.600; 800/287.000; 800/317.400  
IC    [6]  
ICM: A01H004-00  
ICS: C12N005-14; C12N015-29  
EXF   800/205; 800/DIG.44; 800/15; 536/23.6; 435/172.3; 435/320.1; 435/240.4;  
435/69.1  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 31 OF 39 USPATFULL  
 AN 97:45198 USPATFULL  
 TI P119 promoters and their uses  
 IN Dunsmuir, Pamela, Piedmont, CA, United States  
 Stott, Jamie S., Oakland, CA, United States  
 PA DNA Plant Technology Corporation, Oakland, CA, United States (U.S.  
 corporation)  
 PI US 5633440 19970527  
 AI US 1994-359696 19941220 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 1406  
 INCL INCLM: 800/205.000  
 INCLS: 800/DIG.040; 800/DIG.043; 800/DIG.044; 435/172.300; 435/320.100;  
 536/023.600; 536/024.100  
 NCL NCLM: 800/287.000  
 NCLS: 435/069.100; 435/320.100; 435/423.000; 536/023.600; 536/024.100;  
 800/317.000; 800/317.300; 800/317.400  
 IC [6]  
 ICM: A01H005-00  
 ICS: C12N015-29; C12N015-82; C12N005-04  
 EXF 536/23.6; 536/24.1; 435/172.3; 435/320.1; 800/205; 800/DIG.43;  
 800/DIG.40; 800/DIG.44  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 32 OF 39 USPATFULL  
 AN 97:18368 USPATFULL  
 TI Plant group 2 promoters and uses thereof  
 IN Baden, Catherine S., Martinez, CA, United States  
 Dunsmuir, Pamela, Piedmont, CA, United States  
 Lee, Kathleen Y., Oakland, CA, United States  
 PA DNA Plant Technology Corp., Oakland, CA, United States (U.S.  
 corporation)  
 PI US 5608144 19970304  
 AI US 1994-289458 19940812 (8)  
 DT Utility  
 FS Granted  
 LN.CNT 2057  
 INCL INCLM: 800/205.000  
 INCLS: 536/023.100; 536/024.100; 435/069.100; 435/172.300; 435/320.100  
 NCL NCLM: 800/287.000  
 NCLS: 435/069.100; 435/320.100; 536/023.100; 536/024.100; 800/300.000;  
 800/317.000; 800/317.100; 800/317.300; 800/317.400  
 IC [6]  
 ICM: A01H005-00  
 ICS: C12N015-00; C12N015-82  
 EXF 800/205; 800/DIG.5; 800/40; 800/41; 800/43; 800/44; 536/23.1; 536/24.1;  
 536/23.6; 435/172.3; 435/240.4; 435/320.1; 435/69.1  
 CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 33 OF 39 CABA COPYRIGHT 2002 CABI  
 AN 1998:185171 CABA  
 DN 981614774  
 TI Transformation of **mango** somatic embryos  
 AU Cruz-Hernandez, A.; Gomez-Lim, M.; Litz, R. E.; Lavi, U. [EDITOR]; Degani,  
 C. [EDITOR]; Gazit, S. [EDITOR]; Lahav, E. [EDITOR]; Pesis, E. [EDITOR];  
 Prusky, D. [EDITOR]; Tomer, E. [EDITOR]; Wysoki, M. [EDITOR]  
 CS CINVSTAV-Unidad Irapuato, Apartado Postal 629, Irapuato, Gto., Mexico.  
 SO Acta Horticulturae, (1997) No. 455, pp. 292-298. 35 ref.  
 Meeting Info.: Proceedings of the 5th international mango symposium, Tel  
 Aviv, Israel, 1-6 September 1996, Volume 1.  
 ISSN: 0567-7572; ISBN: 90-6605-849-8  
 DT Conference Article; Journal

LA English

L5 ANSWER 34 OF 39 CAPLUS COPYRIGHT 2002 ACS  
AN 1998:101443 CAPLUS  
DN 128:213888  
TI Transformation of **mango** somatic embryos  
AU Cruz-Hernandez, Andres; Gomez-Lim, Miguel A.; Litz, Richard E.  
CS CINVESTAV-Unidad Irapuato, Irapuato, Mex.  
SO Acta Hortic. (1997), 455(5th International Mango Symposium, 1996, Vol. 1), 292-298  
CODEN: AHORA2; ISSN: 0567-7572  
PB International Society for Horticultural Science  
DT Journal  
LA English

L5 ANSWER 35 OF 39 USPATFULL  
AN 96:55944 USPATFULL  
TI DNA constructs containing the gene for ACC Oxidase, cells and plants derived therefrom  
IN Grierson, Donald, Loughbrough, England  
Hamilton, Andrew J., Nottingham, England  
Lycett, Grantley W., Loughbrough, England  
PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)  
PI US 5530190 19960625  
AI US 1993-133834 19931012 (8)  
RLI Continuation of Ser. No. US 1992-793450, filed on 16 Mar 1992, now patented, Pat. No. US 5365015  
PRAI GB 1989-162213 19890714  
DT Utility  
FS Granted  
LN.CNT 521  
INCL INCLM: 800/205.000  
INCLS: 435/320.100; 435/240.400; 435/172.300; 800/DIG.044  
NCL NCLM: 800/283.000  
NCLS: 435/320.100; 435/411.000; 435/419.000; 800/298.000; 800/305.000; 800/306.000; 800/309.000; 800/315.000; 800/317.400; 800/323.000; 800/323.200; 800/323.300  
IC [6]  
ICM: A01H004-00  
ICS: C12N015-82; C12N015-29  
EXF 435/172.3; 435/320.1; 435/240.4; 800/205; 800/250; 800/DIG.44; 536/23.6  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 36 OF 39 USPATFULL  
AN 96:36466 USPATFULL  
TI Control of fruit ripening and senescence in plants  
IN Klee, Harry J., Ballwin, MO, United States  
Kishore, Ganesh M., Chesterfield, MO, United States  
PA Monsanto Company, St. Louis, MO, United States (U.S. corporation)  
PI US 5512466 19960430  
AI US 1991-809457 19911217 (7)  
RLI Continuation-in-part of Ser. No. US 1990-632440, filed on 26 Dec 1990, now abandoned  
DT Utility  
FS Granted  
LN.CNT 1923  
INCL INCLM: 435/172.300  
INCLS: 435/320.100; 435/069.100; 435/070.100; 536/023.200; 800/205.000; 800/200.000; 800/DIG.044  
NCL NCLM: 800/283.000  
NCLS: 435/069.100; 435/070.100; 435/320.100; 536/023.200; 800/317.400  
IC [6]  
ICM: A12N015-31  
ICS: A12N015-63; A12N015-82; C01H005-08



EXF 800/200; 800/205; 800/DIG.44; 435/172.3; 435/320.1; 435/69.1; 435/70.1;  
536/23.2

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 37 OF 39 USPATFULL  
AN 94:100068 USPATFULL  
TI **Antisense** constructs derived from pTOM13 plants and plant  
cells with reduced ethylene evolution  
IN Grierson, Donald, Loughbrough, England  
Hamilton, Andrew J., Nottingham, England  
Lycett, Grantley W., Loughbrough, England  
PA Imperial Chemical Industries PLC, London, England (non-U.S. corporation)  
PI US 5365015 19941115  
WO 9101375 19910207  
AI US 1992-793450 19920316 (7)  
WO 1990-GB1072 19900712  
19920316 PCT 371 date  
19920316 PCT 102(e) date  
PRAI GB 1989-162135 19890714  
DT Utility  
FS Granted  
LN.CNT 487  
INCL INCLM: 800/205.000  
INCLS: 435/172.300; 435/240.400; 435/320.100; 435/250.000; 435/DIG.044;  
935/067.000  
NCL NCLM: 800/283.000  
NCLS: 435/320.100; 435/411.000; 800/317.400  
IC [5]  
ICM: A01H004-00  
ICS: C12N005-14; C12N015-82  
EXF 435/320.1; 435/240.4; 435/172.3; 800/205; 800/250; 800/DIG.44; 935/67  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 38 OF 39 CAPLUS COPYRIGHT 2002 ACS  
AN 1993:98284 CAPLUS  
DN 118:98284  
TI Control of fruit ripening and senescence in plants by expression of  
aminocyclopropanecarboxylic acid-metabolizing enzyme gene  
IN Klee, Harry John; Kishore, Ganesh Murthy  
PA Monsanto Co., USA  
SO PCT Int. Appl., 110 pp.  
CODEN: PIXXD2  
DT Patent  
LA English  
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9212249	A1	19920723	WO 1991-US9437	19911217
	W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KR, NO, PL, RO, SU				
	RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE				
	CA 2096637	AA	19920627	CA 1991-2096637	19911217
	AU 9191137	A1	19920817	AU 1991-91137	19911217
	EP 564524	A1	19931013	EP 1992-901793	19911217
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
	JP 06504668	T2	19940602	JP 1991-502000	19911217
	BR 9107191	A	19940614	BR 1991-7191	19911217
	JP 09238689	A2	19970916	JP 1996-95744	19911217
	NO 9302343	A	19930625	NO 1993-2343	19930625
PRAI	US 1990-632440		19901226		
	JP 1992-502000		19911217		
	WO 1991-US9437		19911217		

L5 ANSWER 39 OF 39 CAPLUS COPYRIGHT 2002 ACS  
AN 1991:443491 CAPLUS

DN 115:43491  
 TI **Antisense** RNA inhibiting ethylene production in plants  
 IN Grierson, Donald; Hamilton, Andrew John; Lycett, Grantley Walter  
 PA Imperial Chemical Industries PLC, UK  
 SO PCT Int. Appl., 32 pp.  
 CODEN: PIXXD2  
 DT Patent  
 LA English  
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9101375	A1	19910207	WO 1990-GB1072	19900712
	W: AT, AU, BB, BG, BR, CA, CH, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MC, MG, MW, NL, NO, RO, SD, SE, SU, US RW: AT, BE, BF, BJ, CF, CG, CH, CM, DE, DK, ES, FR, GA, GB, IT, LU, ML, MR, NL, SE, SN, TD, TG				
	AU 9060423	A1	19910222	AU 1990-60423	19900712
	AU 627063	B2	19920813		
	EP 482053	A1	19920429	EP 1990-910809	19900712
	R: AT, BE, CH, DE, DK, ES, FR, GB, IT, LI, LU, NL, SE				
	BR 9007523	A	19920623	BR 1990-7523	19900712
	JP 04506602	T2	19921119	JP 1990-510330	19900712
	US 5365015	A	19941115	US 1992-793450	19920316
	US 5530190	A	19960625	US 1993-133834	19931012
PRAI	GB 1989-16213		19890714		
	WO 1990-GB1072		19900712		
	US 1992-793450		19920316		

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SINCE FILE	TOTAL
ENTRY	SESSION
159.06	159.36

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FILE CONTAINS CURRENT INFORMATION.

LAST RELOADED: Mar 8, 2002 (20020308/UP).

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